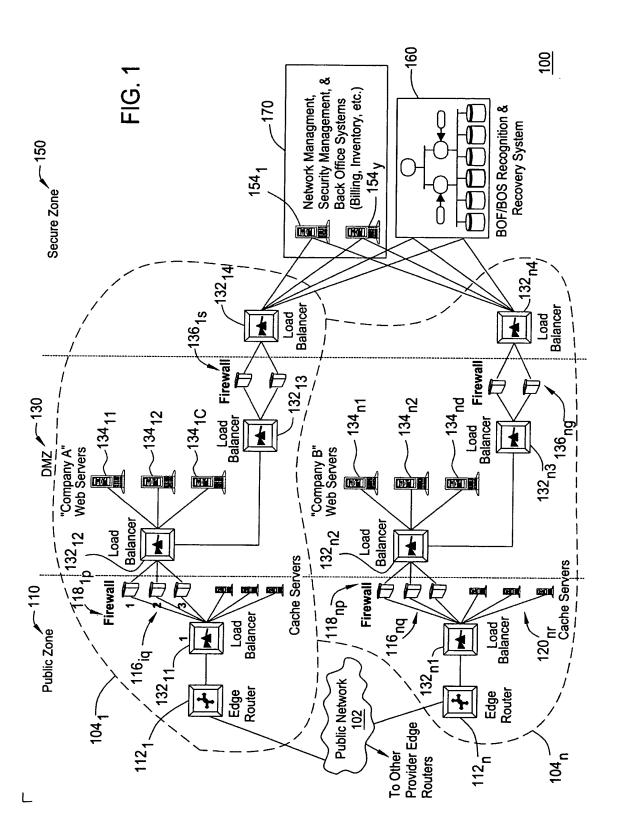
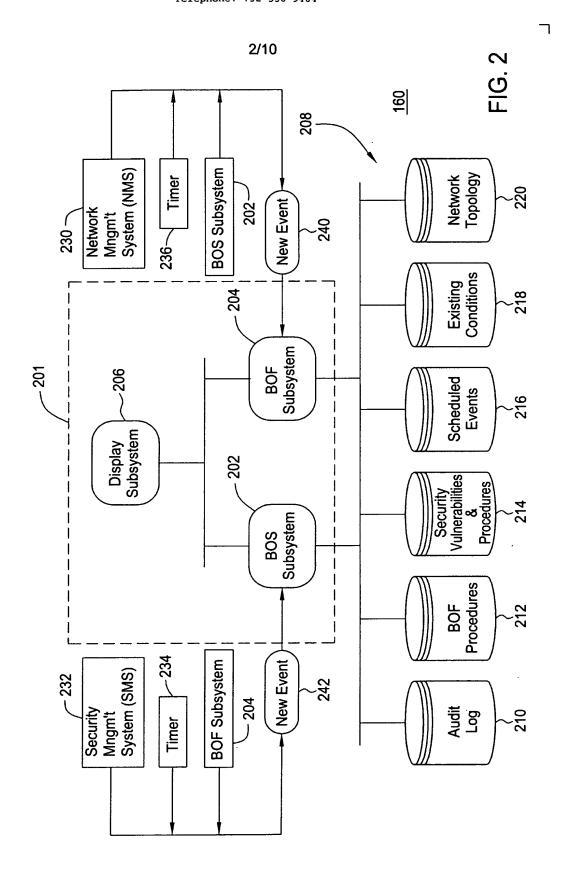
Chun Kin Chan et al., inventors
Attorney Docket No.: Chan 1-4-2-4-2-8 (LCNT/125580)
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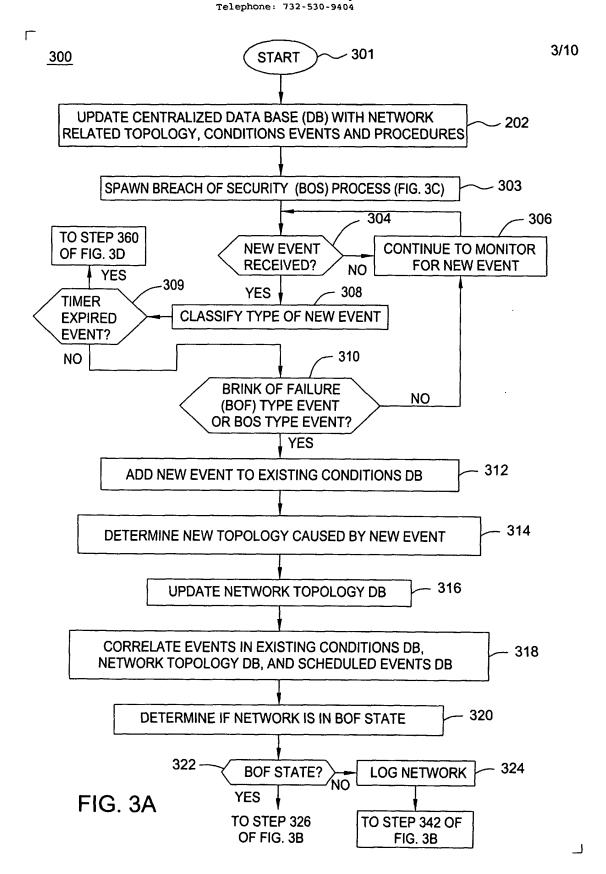


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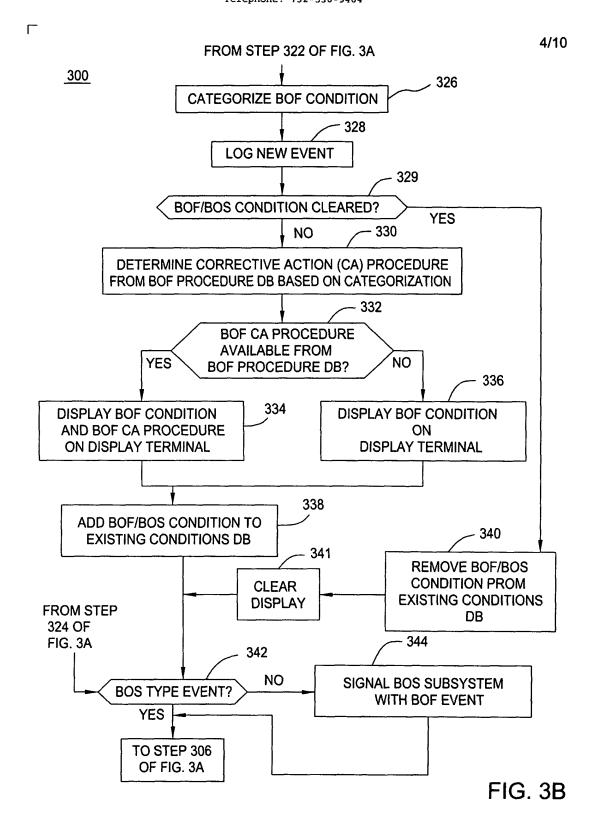


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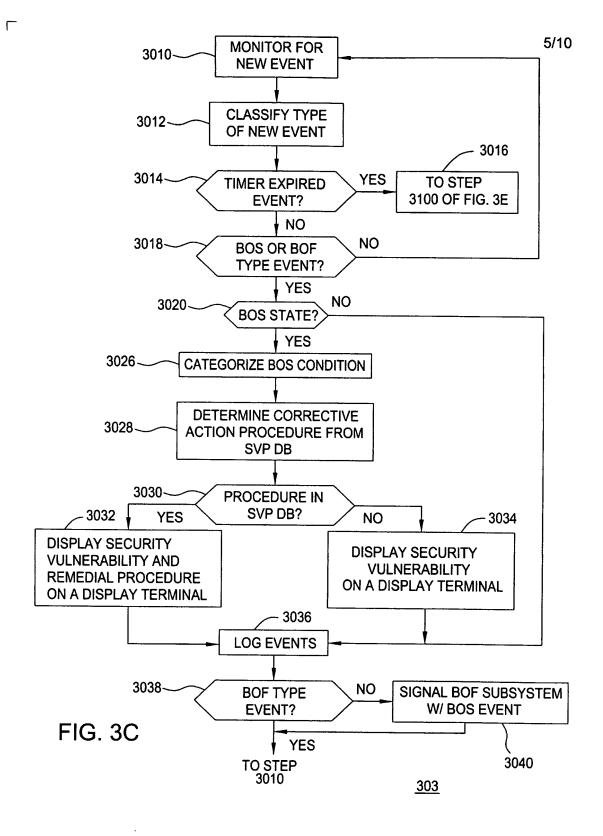


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BRINK OF FAILURE AND BREACH OF SECURITY DETECTION AND RECOVERY SYSTEM
Chun Kin Chan et al., inventors
Attorney Docket No.: Chan 1-4-2-4-2-8 (LCNT/125580)
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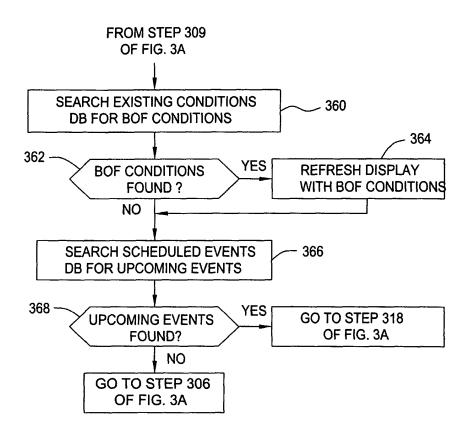


FIG. 3D

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BRINK OF FAILURE AND BREACH OF SECURITY DETECTION AND RECOVERY SYSTEM Chun Kin Chan et al., inventors
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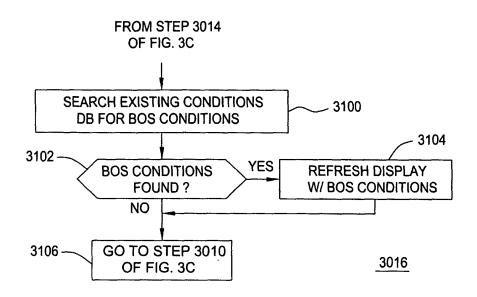


FIG. 3E

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BRINK OF FAILURE AND BREACH OF SECURITY DETECTION AND RECOVERY SYSTEM

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Normal Traffic Between Seattle And Chicago

FIG. 4A

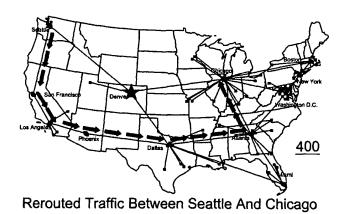


FIG. 4B

BOS_S1: Switch Offline

BOS_P1: Close Logical Connections
Disable Physical Ports

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NOC Screen Showing Breach Of Security Condition.

FIG. 5A

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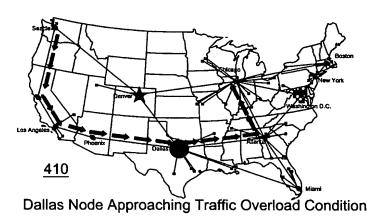


FIG. 4C

BOS_S1: Switch Offline

BOS_P1: Close Logical Connections

Disable Physical Ports

BOF_S5: Switch Entering Overload

BOF_P1: Apply Traffic Control

NOC Screen Showing Brink of Failure Condition

FIG. 5B

BOS_S1: Switch Offline

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BOS_P1: Close Logical Connections

Disable Physical Ports

BOF S5: Switch Entering Overload

BOF_P1: Apply Traffic Control

BOF_S5: Scheduled Power Outage

BOF P2: Check Power Backup

Re-schedule Maintenance

NOC Screen Showing Second Brink of Failure Condition

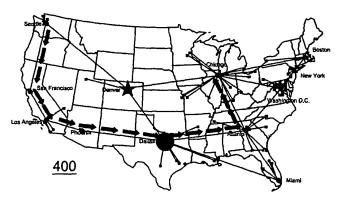
FIG. 5C

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Packet Classification Buffers in Dallas Node Exceed Threshold

FIG. 4D

BOS_S5: Switch Entering Overload

BOF_P1: Apply Trafic Control

BOF_S5: Scheduled Power Outage

BOF_P2: Check Power Backup

Re-schedule Maintenance

BOS_S5: Security Buffer Exceeds

Threshold

BOS_P2: Increase Size of Security Buffer

Reduce Input Port Speeds

NOC Screen Displays New Breach of Security

FIG. 5D